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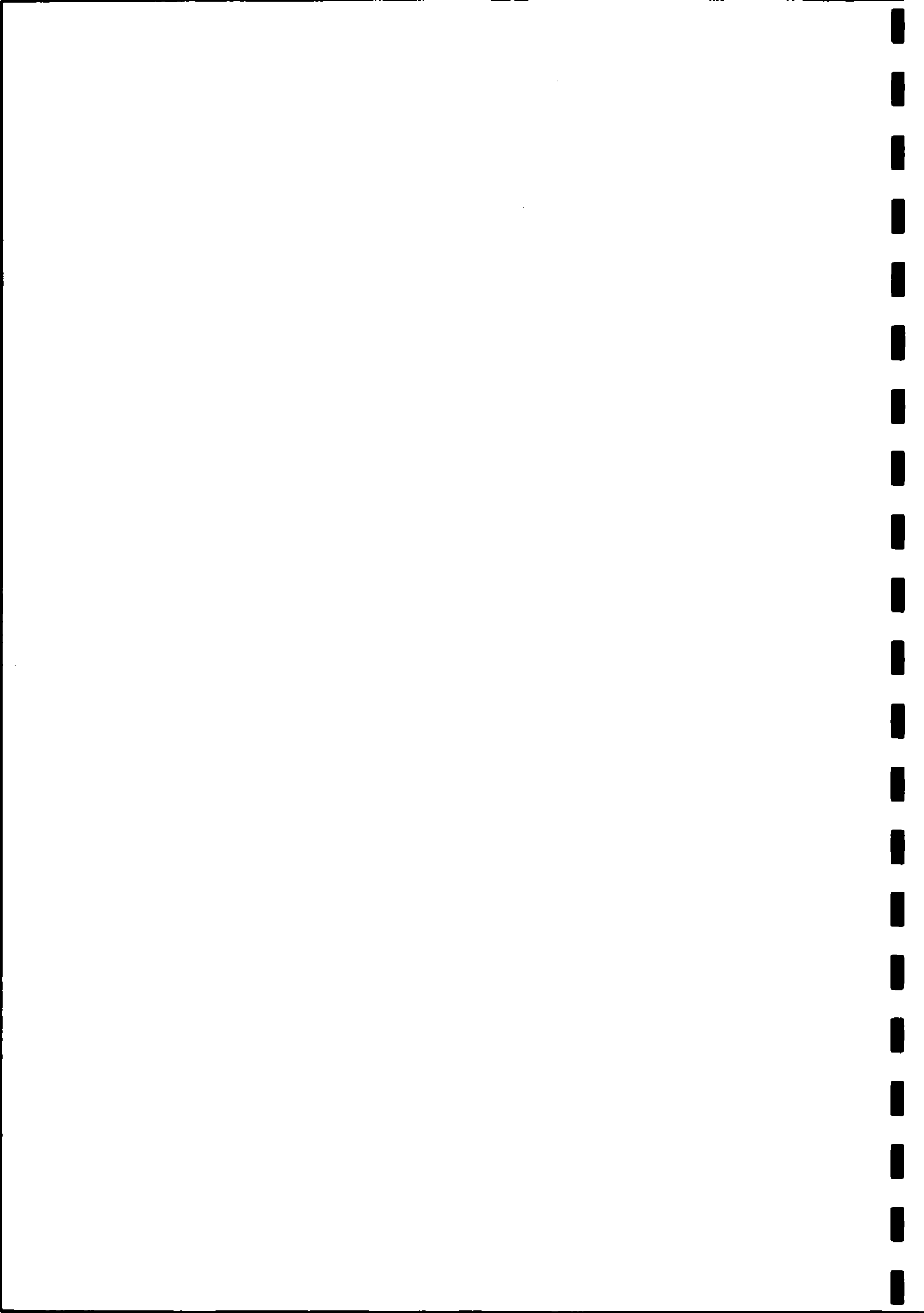
Project No T02071j1

**ITE Land Classification for the
county of West Glamorgan**

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**Merlewood Research Station
Grange-over-Sands
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August 1993



Land Use Research Group

ITE Land Classification for West Glamorgan

The following table holds the land class of each square in West Glamorgan. The format of the table is easting (a three digit number), northing (a three digit number) and land class (one or two digits). The data is ordered by easting as primary key and northing as secondary.

The grid reference follows the Ordnance Survey National Grid, using the numeric convention (Harley 1975). Should a grid reference be held in the alpha-numeric format it can be converted into numeric by removing the two letters and modifying the digits. West Glamorgan occupies part of two 100 kilometre (km) squares, SN and SS. In terms of a 1 km grid, square SN starts with easting 200 and northing 200, and SS with 200 and 100 respectively. Having removed the letters, the remaining digits can be split equally into two parts; the first part is the easting the second northing. The easting and northing equivalents are added to the digits to produce the final grid reference, eg SN1234 becomes 212 234 (SN is 200, 200 so 200+12 and 200+34). The six figure grid reference describes a complete 1 km square and on a large scale map (eg 1:50 000) it can be identified by reading the easting value off the horizontal axis and the northing off the vertical. The intersection of lines defines the south west (bottom left) corner of the square.

The ITE land Classification was produced in the late 1970's by multivariate analysis of a number of environmental factors (Bunce *et al.* 1981). It stratifies Great Britain into 32 different groups called land classes; every 1 km square in Great Britain has been allocated to it's land class. Three national surveys (the Countryside Surveys) have been performed to characterise the different land classes (Barr 1990), and the classification is being used to model the consequences of a variety of different changes (eg Bunce *et al.* 1992).

References

Barr, C.J. (1990) Mapping the changing face of Britain.
Geographic magazine October 1990.

Bunce, R.G.H., Barr, C.J. and Whittaker, H.A. (1981) Land Classes in Great Britain: preliminary description for users of the method of land classification.
Merlewood Research and Development paper no. 86. Institute of Terrestrial Ecology; Grange-over-Sands.

Bunce, R.G.H., Howard, D.C., Hallam, C.J., Barr, C.J. and Benefield, C.B. (1992). The ecological consequences of land use change
Report to the Department of the Environment.

Harley, J.B. (1975) Ordnance Survey Maps: a descriptive manual.
Ordnance Survey: Southampton.

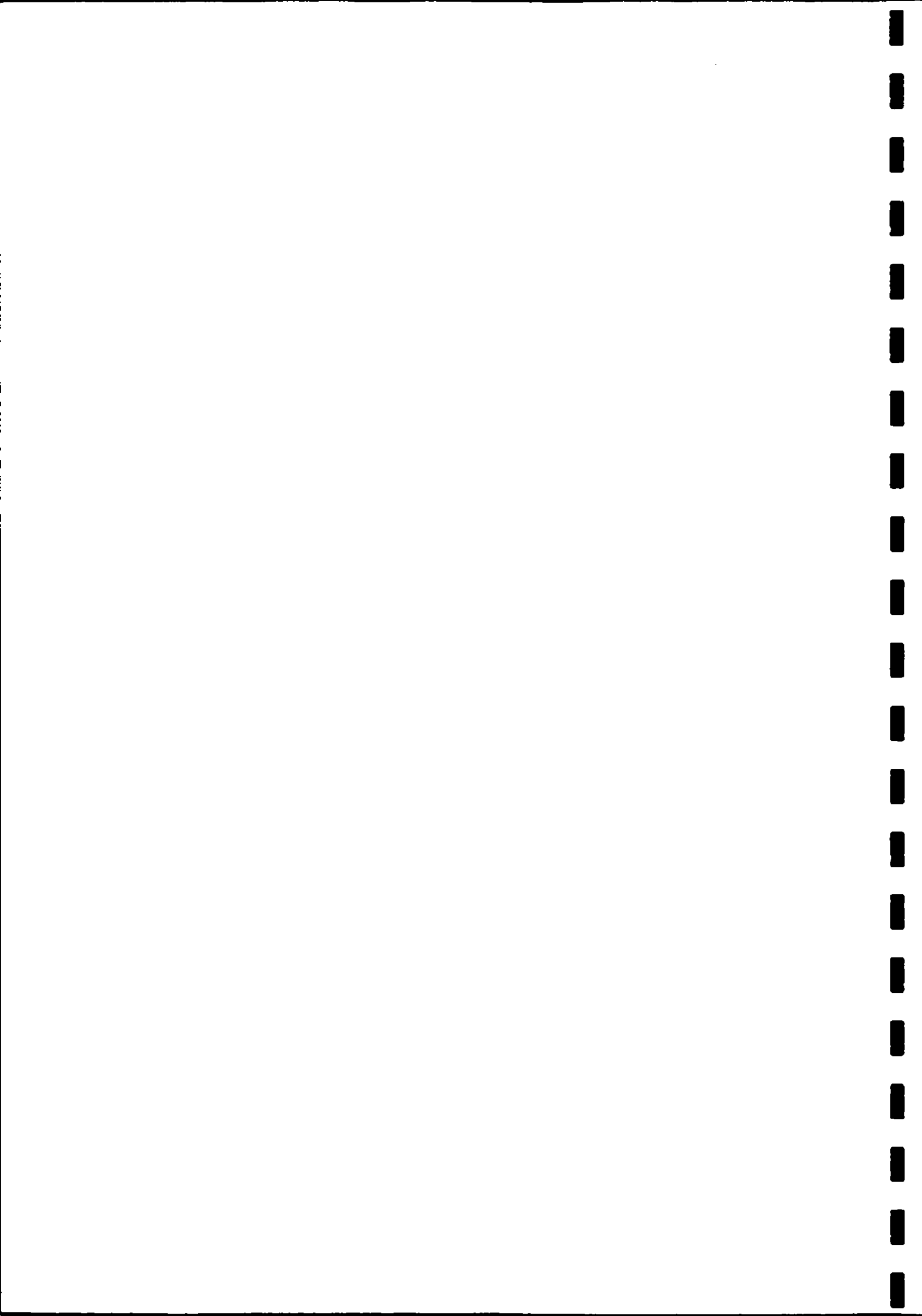
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240	188	8	246	188	6	251	194	8
240	191	8	246	189	6	251	195	7
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242	186	7	247	187	6	253	187	7
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East	North	LC	East	North	LC	East	North	LC
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East	North	LC	East	North	LC	East	North	LC
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